

Manawatu Comparative Gauging Regatta and Sediment Gaugings

Objectives – Flow gauging:

- 1) Validate acoustic instruments through comparative gaugings using a range of instruments
- 2) Compare data collection techniques and procedures. Quality code results using NEMS quality coding procedure.
- 3) Provide opportunity for junior staff to gain knowledge and experience in acoustic data collection

Objectives – Sediment Gauging:

- 1) Learn best practice data collection techniques
- 2) Have a consistent methodology across organisations for data collection
- 3) Share and resolve difficulties experienced in data collection
- 4) Learn techniques for cableway, boat, and wading sediment sampling

Location:

Both the regatta and sampling exercise are planned for the Manawatu at Teachers College hydrology site in Palmerston North about 5 minutes' drive from the city centre. Within the city reach there will be multiple work zones divided by activity that are clearly marked. The area is open to the public, but vehicle access is restricted. We will have gates open from 8-930 in the morning for entry, and from 3pm (unless we are finished early) for exit

The wading site is located at the Albert Street end of the reach – This is flow dependent. If it is deemed too dangerous to carry out the wading portion of the exercise a “dry” run will be carried out. This will be explained the night before at the briefing, and again at the start of the practical on site.

The Kayak section will be downstream of the wading section, with clearly marked cross sections. Horizons have two sit-on kayaks, and will have at least one trained kayaker on site. For health and safety purposes, only Horizons staff members will be paddling on the day. Horizons kayaks are only set up to mount Sontek equipment inside, but could tether other systems behind a kayak. If you have your own kayak equipment you wish to operate, or are wanting to operate one of the Horizons Kayaks, you will be required to meet our minimum health and safety requirements, including appropriate PPE and kayak certification. For clarification, please contact micah.dodge@horizons.govt.nz

The slackline section is at a fixed location, and has adequate room for large groups to see what is happening. The Hornet will be operating and will be set up and packed down by Horizons staff on the day. The area for performing the bottle swaps will be marked and will be off limits as the units are returning to the bank – swinging sediment bombs can hurt.

The Jet boat will be operating downstream of the slackline. Horizons staff will be operating the jet boat and spaces on the boat will be limited. The boat will be used to show sampling techniques, as well as to pick up gaugings as time allows.

Logistics:

A briefing will be given at the end of the day on Wednesday to go over any specifics that require clarification, or any changes that have eventuated from weather or unforeseen circumstances. All information regarding the field day will be available on a display table by the trade stands throughout the workshop.

- If you are flying in and plan to freight any instruments, they can be sent to the Horizons office (address below) and they will be transported to and from the location on the day. Please enclose tickets for the return freight, or detailed serial numbers, date of purchase, and purchase price so that we can add them to the Horizons asset register 😊

Horizons Regional Council

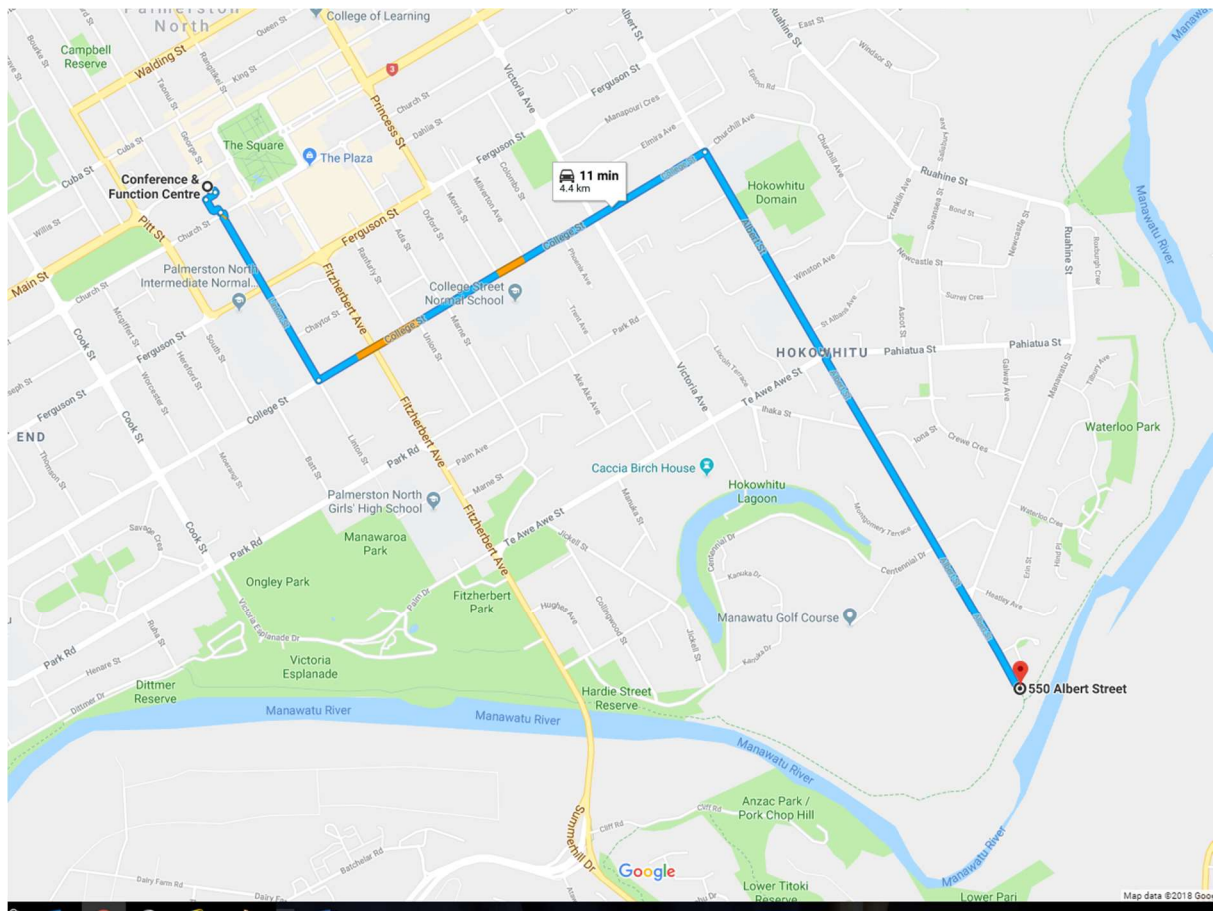
11-15 Victoria Avenue

Palmerston North 4410

Attn: Micah Dodge

- BBQ lunch will be provided – You might want to stop via a bakery if sausages aren't your thing
- Please bring your own Hazard ID systems and PPE
- A Horizons Staff member will be on site as a site controller at each station
- We will have coned-off areas to warn the public that we are there, it is a popular track for cyclists and runners/walkers
- Toilets are available
- If you don't have transport taxis are \$10-20 each way but as per the maps, it isn't too far to wander down with a coffee in the morning.
- Be prepared to hand in a reviewed measurement and result
- Contact Micah Dodge (021 2477 334) or Paul Peters (021 2277 121) if you have any queries

Directions to Site



- From the rear of the convention centre, go down Linton street until you get to College Street
- Turn left onto College Street
- Continue on College Street until you get to Albert Street
- Turn Right onto Albert Street
- Follow Albert Street to the very end, there is a large green gate that will be open – go through this gate onto the Bridle track (Manawatu River Walkway)
- Follow the track to the right, you will see the marquee and portaloos set up, Park on the grass by the track

Once assembled, we will start to have people set up at different locations and rotate through each area as space and time allows.

Key locations



This map shows the approximate location of all the stations for the field day. The BBQ will be running over lunch time, and teams are free to go between stations as desired providing there is capacity at the time. There is a bit of walking here, but it is a sealed track for the most part and a pleasant walk.